

Homework 84-A Modified

Find Arc Measures

Name _____

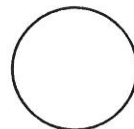
Date _____

Per _____

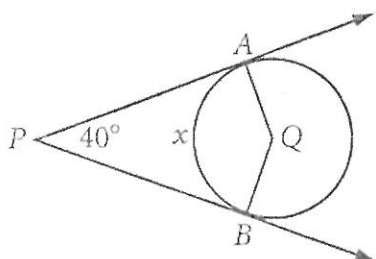
Failure to show all work or write in complete sentences will result in a LaSalle.

1) Write a definition of a tangent line.

2) In the circle below, draw a radius and a tangent line.



3) Use the diagram below to answer questions a – f.



a. Lines PA and PB each touch circle Q at exactly one point, therefore they are both _____ line.

b. The measure of $\angle PAQ =$ _____. Mark this in your figure.

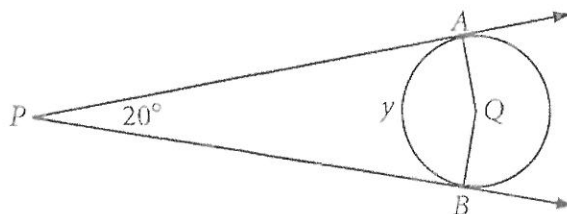
c. The measure of $\angle PBQ =$ _____. Mark this in your figure.

d. The sum of the interior angles of a quadrilateral is _____.

e. The measure of $\angle AQB =$ _____.

f. The value of $x =$ _____.

4) PA and PB are tangent to circle Q. Find y.



5) PA and PB are tangent to circle Q. Find z.

